

## Questionnaire Data

### University Profile

Username : umt.edu.my  
 University Name : Universiti Malaysia Terengganu  
 University Leader : Vice Chancellor, Professor Dato' Dr. Nor Aieni Haji Mokhtar

### PIC Profile

PIC Name : Wan Mohd Wazir Bin Wan Abd Wahab  
 PIC Position : Deputy Director, Corporate Communication Centre  
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Setting and Infrastructure		Question	Answer
1.1	Type of higher education institution		<input type="radio"/> Comprehensive <input checked="" type="radio"/> Specialized higher education institution
1.2	Climate		<input type="radio"/> Tropical Wet <input checked="" type="radio"/> Tropical Wet and Dry <input type="radio"/> Semiarid <input type="radio"/> Arid <input type="radio"/> Mediterranean <input type="radio"/> Humid Subtropical <input type="radio"/> Marine West Coast <input type="radio"/> Humid Continental <input type="radio"/> Subartic
1.3	Number of campus site		2
1.4	Main campus setting		<input type="radio"/> Rural <input type="radio"/> Suburban <input checked="" type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building
1.5	Total main campus area (meter square)		882983
1.6	Total main campus first floor area of buildings (meter square)		120000
1.7	Total main campus buildings area (meter square)		252000
1.8	Total main campus smart building area (meter square)		6609
1.9	Total parking area (meter square)		86700
1.10	Total area on campus covered in forest (percentage)		20
1.11	Total area on campus covered in planted vegetation (percentage)		77
1.12	Total area on campus for water absorption beside forest and planted vegetation (percentage)		15
1.13	Total number of regular student (part time and full time)		11000
1.14	Total number of online students (part time and full time)		0
1.15	Total number of academic and administrative staff		1500
1.16	University budget for sustainability effort within a year (percentage)		14
Energy and Climate Change		Question	Answer

2.1	Energy efficient appliances usage are replacing conventional appliances	<input type="radio"/> None <input type="radio"/> Less than 20% <input type="radio"/> 20% - 40% <input checked="" type="radio"/> 40% - 60% <input type="radio"/> 60% - 80% <input type="radio"/> 80% - 100%
2.2	Smart Building implementation	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. Feasibility Study or Detailed Engineering Designed phase) <input type="radio"/> Program in initial implementation (e.g. Builder already appointed) <input checked="" type="radio"/> Implemented in less than 30% of the total building area <input type="radio"/> Implemented in between 30% - 70% of the total building area <input type="radio"/> Implemented in more than 70% of the total building area
2.3	Renewable energy produce inside campus	<input type="checkbox"/> None <input type="checkbox"/> Bio Diesel: <input type="checkbox"/> Clean Biomass: <input checked="" type="checkbox"/> Solar Power: <b>720</b> <input type="checkbox"/> Wind Power: <input type="checkbox"/> Geothermal: <input type="checkbox"/> Hydropower: <input type="checkbox"/> Combine Heat and Power:
2.4	Electricity usage per year (in kilo watt hour)	17524129
2.5	Ratio of renewable energy produce/production towards total energy usage per year	<input type="radio"/> None <input checked="" type="radio"/> Less than 20% <input type="radio"/> 20% - 40% <input type="radio"/> 40% - 60% <input type="radio"/> 60% - 80% <input type="radio"/> 80% - 100%
2.6	Elements of green building implementation as reflected in all construction and renovation policy	<input type="checkbox"/> None <input checked="" type="checkbox"/> Natural ventilation <input checked="" type="checkbox"/> Full natural day-lighting <input type="checkbox"/> Existence of building energy manager <input type="checkbox"/> Existence of Green Building
2.7	Greenhouse gas emission reductions program	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. Feasibility Study and promotion) <input type="radio"/> Program in initial implementation (e.g. initial measurement of gas emission reduction) <input checked="" type="radio"/> Implemented in HVAC System / Refrigerator / Laboratory Gases
2.8	Please provide total carbon footprint (CO2 emission in the last 12 months, in metric tons)	254.2681
<b>Waste</b>		
<b>Question</b>		<b>Answer</b>
3.1	Program to reduce the use of paper and plastic in campus	<input type="checkbox"/> None <input checked="" type="checkbox"/> Double sided-printing policy program <input checked="" type="checkbox"/> The use of tumbler <input checked="" type="checkbox"/> The use of reusable bag <input checked="" type="checkbox"/> Print when necessary
3.2	Recycling program for university waste	<input type="radio"/> None <input checked="" type="radio"/> Partial (less than 25% of waste) <input type="radio"/> Partial (25% - 50% of waste) <input type="radio"/> Extensive (more than 50%)
3.3	Toxic waste handled	<input type="radio"/> Not Managed <input checked="" type="radio"/> Partly contained and inventoried <input type="radio"/> Completely contained, inventoried and handled
3.4	Organic waste treatment	<input type="radio"/> Open dumping <input type="radio"/> Partly composted and compost dumped <input checked="" type="radio"/> Partly composted and compost used <input type="radio"/> Fully composted, compost used <input type="radio"/> Fully composted, compost used internally and externally
3.5	Inorganic waste treatment	<input type="radio"/> Burned in open <input checked="" type="radio"/> Taken off campus to a dump site <input type="radio"/> Partially recycled (less than 50%) <input type="radio"/> Fully recycled (more than 50%)

3.6	Sewerage disposal	<input type="radio"/> Disposed untreated to waterways <input type="radio"/> Treated individually in septic tank <input checked="" type="radio"/> Centralized treatment before disposal <input type="radio"/> Treatment for recycling
<b>Water</b>		
Question		Answer
4.1	Water conservation program implementation	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. Feasibility Study and promotion) <input checked="" type="radio"/> Program in initial implementation (e.g. initial measurement of potential water conserved) <input checked="" type="checkbox"/> Implemented in Rain Harvesting System <input type="checkbox"/> Implemented in Ground Water Tank <input type="checkbox"/> Implemented in Lake or Pond
4.2	Water recycling program implementation	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. Feasibility Study and promotion) <input checked="" type="radio"/> Program in initial implementation (e.g. initial measurement of potential water recycle) <input checked="" type="checkbox"/> Recycled water is used for garden sprinkler system <input type="checkbox"/> Recycled water is used for toilet flush <input type="checkbox"/> Recycled water is used for cooling system
4.3	The use of water efficient appliances (water tap, toilet flush, etc)	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. water efficient appliances selection priority are identified) <input checked="" type="radio"/> Water efficient appliances installed is less than 25% <input type="radio"/> Water efficient appliances installed is 25%-50% <input type="radio"/> Water efficient appliances installed is 50%-75% <input type="radio"/> Water efficient appliances installed is more than 75%
4.4	Piped water consumed (percentage)	1
<b>Transportation</b>		
Question		Answer
5.1	Number of cars owned by your university	73
5.2	Number of cars entering the university daily	3045
5.3	Number of motorcycles entering the university daily	1305
5.4	Number of shuttles operated in your university	5
5.5	Average number of passengers of each shuttle	160
5.6	Total trips of shuttle services each day	21
5.7	Average number of bicycles on campus every day	732
5.8	Parking area type	<input type="radio"/> Open space or horizontal type <input type="radio"/> Combination of open space and building <input type="radio"/> Building or vertical space <input checked="" type="radio"/> Parking is restricted
5.9	Transportation program designed to limit or decrease the parking area on campus over the last 3 years (from 2014 to 2016)	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Less than 10% decrease <input type="radio"/> Between 10% - 30% decrease <input checked="" type="radio"/> Program resulting in more than 30% decrease in parking or parking is restricted
5.10	Transportation initiatives to decrease private vehicles on campus	<input type="checkbox"/> None <input type="checkbox"/> High charging parking fee <input checked="" type="checkbox"/> Car sharing <input checked="" type="checkbox"/> Metro / tram / bus station on campus <input type="checkbox"/> metro/tram/bus services inside campus
5.11	Shuttle service	<input type="radio"/> Shuttle use is possible but not provided <input checked="" type="radio"/> Shuttle service is available, but not free <input type="radio"/> Shuttle service is available, and free service. Or shuttle use is not possible
5.12	Bicycle and pedestrian policy on campus	<input type="radio"/> Bicycle and pedestrian way is not available <input type="radio"/> Bicycle use not possible or practical, but pedestrian way is available <input type="radio"/> Bicycle and pedestrian way are available <input checked="" type="radio"/> Bicycle and pedestrian way are available, and bicycles provided freely by university

5.13	A approximate daily travel distance of a vehicle inside campus only (in Kilometers)	2
Education		
Question		Answer
6.1	Number of courses/modules related to environment and sustainability offered	141
6.2	Total number of courses/modules offered	1093
6.3	Total research funds dedicated to environmental and sustainability research (in US Dollars)	158440.35
6.4	Total research funds (in US Dollars)	7107086.99
6.5	Number of scholarly publications on environment and sustainability published	219
6.6	Number of events related to environment and sustainability	30
6.7	Number of student organizations related to environment and sustainability	4
6.8	Existence of a university-run sustainability website	<input type="radio"/> Not available <input type="radio"/> In progress or under construction <input checked="" type="radio"/> Available
6.9	Sustainability website address if available	1. <a href="http://seatru.umt.edu.my/">http://seatru.umt.edu.my/</a>

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